

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) An alarm system for alerting the operator of a vehicle having a motorized drive, the alarm system comprising:
 - a. a sensor for sensing a specified condition of the vehicle; and
 - b. a controller for causing the ~~vehicle~~ motorized drive, in response to the specified condition, to ~~be accelerated~~ accelerate the vehicle with a vehicle acceleration modulated with a periodic modulation such that the vehicle acceleration alternates between braking and speeding up and braking over each period of the modulation.
2. (original) An alarm system according to claim 1, wherein the vehicle further includes a control loop in which a motorized drive is included, for propelling the vehicle in a condition of dynamic balance with respect to tipping in the fore-aft plane.
3. (original) An alarm system according to claim 2, wherein the controller provides an input to the control loop upon occurrence of a specified condition, the input having a periodic factor.
4. (original) An alarm system according to claim 3, the input further having a multiplicative coefficient.
5. (original) An alarm system according to claim 3, the input contributing differentially to a torque applied to a left wheel and a torque applied to a right wheel.

Application 10/459,334 668, 594
Filed 6/11/03
Response A to Office action of September 15, 2004

6. (original) An alarm system according to claim 1, the specified condition including at least one of low battery power, a specified vehicle speed, and receipt by the controller of conflicting values from redundant subsystems.

7. (currently amended) A method for alerting a rider of a vehicle to a condition requiring attention, the method comprising:
 - a. sensing a specified condition of the vehicle; and
 - b. ~~accelerating using a motorized drive to accelerate~~ the vehicle, in response to the specified condition, with a vehicle acceleration modulated with a periodic modulation such that the vehicle acceleration alternates between braking and speeding up and braking over each period of the modulation.